

## Product datasheet for **MG205989**

### Aar2 (NM\_026661) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Aar2 (NM_026661) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Aar2
Synonyms:	0610011L14Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205989 representing NM_026661 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTTCCATGCAGATGGATCCAGAGTTAGCCAAGCAGCTCTTCTTTGAAGGAGCCACGGTGGTCATTC  
TGAACATGCCAAGGGGACAGAGTTTGGCATTGACTACAACCTCTGGGAGGTGGGCCCCAAGTCCGGGG  
TGTGAAGATGATCCCCCTGGCATCCACTTCTGTACTACAGCTCTGTGGACAAGCCAATCCCAGGGAG  
GTGGGCCCTCGCATGGGCTTCTCCTCAGCCTGAAGCAGCGGGGCTGACAGTCTGCGCTGGAATGCAG  
TCCAGGAAGAAGTAGACCTGTCTCCAGCTCCAGAGGCTGAAGTAGAAGCTATGAGAGCCAATCTCCAGA  
CCTAGACCAGTTTCTGGGACCTTACCCATATGCTACACTCAAGAAATGGATCTCACTACCAACTTCATC  
AGTGAGGCCACCATGGAGAAGCTGCAGCCTGAGAGCAGGAGATCTGCGCCTTCTCAGATGTGCTGCCTG  
TGCTTTCCATGAAGCACACCAAGGACAGGGTGGGGCAGAATCTGCCCTCTGCGGCACCGAGTGCAGAAG  
CTACCAAGAGGGCCTAGCCCGGCTGCCCGAGATGAGGCCAGGGCTGGGACAGAGATCCGCTTCTCAGAG  
TTGCCCACTCAGATGTTCCAGCAGGAGCCACACCAGCAGAGATCACCAGGCACAGCATGGACTTGAGCT  
ATGCCCTCGAACTGTGCTCAGCAAGCAGTTCCTGGCAACCCCCAGGATGTGCTGGTGAAGCTCCAGTT  
TGCTGTGGTCTGAATCTGCCATGGGGAAGTACCACGCCCTGTACATCAGCCTCATCTCCATCCTGTACC  
ACCAGCTTGGTGAGATCCCTGCTGACTTCTTTGTGGACATTGTCTCCAGGACAACCTCCTCACCAGTAC  
CTTACAGTTTTTCTTTCTCTGCTGCAGTATTGCTGTGGAAGCCACCTGAGGAAGAAAGCTGAGAAG  
TTCCAAGCCACCTGACTAAGAAGTTCCGCTGGGACTTCACTTACAGCCAGAGGACTGTGCCCCAGTGG  
TGGTGGAGCTCCCCGAGGGCATCGAGACGGCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG205989 representing NM\_026661  
 Red=Cloning site Green=Tags(s)

MSSMQMDPELAKQLFFEGATVVILNMPKGTFFGIDYNSWEVGPFRGVMIPPGIHFLLYSSVDKANPRE  
 VGPRMGFFLSLKQRGLTVLRWNAVQEEVDLSPAPEAEVEAMRANLPDLQFLGPYPYATLKKWISL TNFI  
 SEATMEKLQPESRQICAFSDVLPVLSMKHTKDRVGNLPLCGTECRSYQEGLARLPEMRPRAGTEIRFSE  
 LPTQMFPAGATPAEITRHSMDLSYALETVLSKQFPGNPQDVLGELQFAFVCFLLGNVYEA FEHWKRLNL  
 LCRSESAMGKYHALYISLISILYHQLGEIPADFFVDIVSQDNFLTSTLQVFFSSACSI AVEATLRKKA EK  
 FQAHLTKKFRWDFTSEPEDCAPVVVVELPEGIETA

TRTRPLE - GFP Tag - V

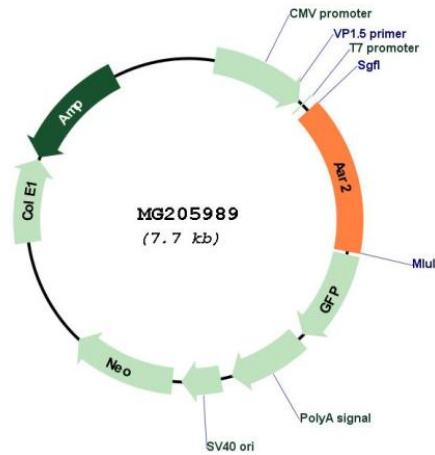
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_026661

<b>ORF Size:</b>	1152 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_026661.2</a> , <a href="#">NP_080937.2</a>
<b>RefSeq Size:</b>	3427 bp
<b>RefSeq ORF:</b>	1155 bp
<b>Locus ID:</b>	68295
<b>UniProt ID:</b>	<a href="#">Q9D2V5</a>
<b>Cytogenetics:</b>	2 H1
<b>Gene Summary:</b>	Component of the U5 snRNP complex that is required for spliceosome assembly and for pre-mRNA splicing.[UniProtKB/Swiss-Prot Function]